

Title (en)
CYSTEINE PROTEASE INHIBITORS FOR THE TREATMENT OF PARASITIC DISEASES

Title (de)
CYSTEINPROTEASEHEMMER ZUR BEHANDLUNG PARASITÄRER ERKRANKUNGEN

Title (fr)
INHIBITEURS DE CYSTÉINE-PROTÉASES POUR LE TRAITEMENT DE MALADIES PARASITAIRES

Publication
EP 2225196 A4 20120229 (EN)

Application
EP 08853988 A 20081126

Priority
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• US 474707 P 20071129

Abstract (en)
[origin: WO2009067797A1] Several parasites responsible for mammalian diseases are dependent on cysteine protease for various life-cycle functions. Inhibition or decreasing function of these proteases can be useful in the treatment and/or prevention of these parasitic diseases including; toxoplasmosis, malaria, African trypanosomiasis, Chagas disease, leishmaniasis, schistosomiasis, amebiasis, giardiasis, clonorchiasis, opisthorchiasis, paragonimiasis, fasciolopsiasis, lymphatic filariasis, onchocerciasis, dracunculiasis, ascariasis, trichuriasis, strongyloidiasis, trichostrongylasis, trichomoniasis or cestodiasis. Compounds of formula I of the invention are capable of treating and/or preventing the above-identified diseases:

IPC 8 full level
C07C 31/32 (2006.01); **A61K 31/277** (2006.01); **A61P 33/00** (2006.01); **C07C 255/60** (2006.01); **C07C 323/29** (2006.01); **C07D 207/335** (2006.01); **C07D 213/38** (2006.01); **C07D 213/57** (2006.01); **C07D 213/89** (2006.01); **C07D 271/06** (2006.01); **C07D 295/135** (2006.01); **C07D 295/185** (2006.01)

CPC (source: EP US)
A61K 31/277 (2013.01 - EP US); **A61K 31/4418** (2013.01 - EP US); **A61K 31/5375** (2013.01 - EP US); **A61K 45/06** (2013.01 - US); **A61P 33/00** (2017.12 - EP); **A61P 33/02** (2017.12 - EP); **A61P 33/04** (2017.12 - EP); **A61P 33/06** (2017.12 - EP); **A61P 33/10** (2017.12 - EP); **A61P 33/12** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07C 255/44** (2013.01 - EP US); **C07C 255/46** (2013.01 - EP US); **C07C 255/60** (2013.01 - US); **C07C 311/37** (2013.01 - EP US); **C07C 317/32** (2013.01 - EP US); **C07C 323/32** (2013.01 - EP US); **C07D 207/335** (2013.01 - EP US); **C07D 213/36** (2013.01 - EP US); **C07D 213/38** (2013.01 - EP US); **C07D 213/57** (2013.01 - EP US); **C07D 213/89** (2013.01 - EP US); **C07D 271/06** (2013.01 - EP US); **C07D 295/135** (2013.01 - EP US); **C07D 295/185** (2013.01 - EP US); **C07D 295/192** (2013.01 - EP US); **C07C 2601/02** (2017.04 - EP US); **Y02A 50/30** (2017.12 - EP US)

Citation (search report)
• [XII] CA 2477657 A1 20030918 - MERCK FROSST CANADA INC [CA], et al
• [XII] WO 2007012180 A1 20070201 - MERCK FROSST CANADA LTD [CA], et al
• See references of WO 2009067797A1

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